

**222-S Project Managers Meeting & Misc. Lab Issues
(TSD: TS-2-1)**

2440 Stevens Center, Room 1600

January 13, 2005

9:30 – 10:15 p.m.

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DOE: Feb [Signature] Stevens 2-10-05
Andrew Stevens Date

ECOLOGY: [Signature] for Rick Bond 2/10/05
Rick Bond Date

MEETING MINUTES

222-S Project Manager's Meeting and Miscellaneous Lab Issues (TSD:TS-2-1)

1/13/05

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Meeting Attendees:

Andrew Stevens, DOE ORP
Tracy Gao, Ecology
Lucinda Borneman, CH2M HILL
Don Hardy, CH2M HILL

Rick Bond, Ecology
Noe'l Smith-Jackson, Ecology
Barbara Hill, CH2M HILL

Introduction:

Mr. Andy Stevens, ORP, called the meeting to order at 9:30 a.m.

Approval of Previous Meeting Minutes:

ORP and Ecology approved the January 2005, meeting minutes.

Status of Action Items:

No action items.

222-S Laboratory TSD Issues:

There have been ongoing discussions between Ecology and CH2M HILL on how to keep the RCRA Part B aligned with operational needs during this extended period before the 222-S RCRA permit is issued. [Note: the 222-S Laboratory Complex RCRA permit was issued for Public Comment in July 2001]. Ecology suggested having a meeting to discuss how this can best be accomplished.

222-S Laboratory Operations:

Ms. Barb Hill and Ms. Lucinda Borneman, CH2M HILL presented the Analytical and Operations reports, respectively. The reports are attached.

Miscellaneous Issues:

Mr. Andy Stevens, ORP announced that the Small Business contract for the 222-S Laboratory analytical function had been issued earlier in the month. The contract was let to Analytical Technical Laboratories (ATL), a small business. Ecology questioned how the interface with WSCF would function with ATL. ORP related that the interfaces would be fully defined during the transition period, but the intent is that daily operations would not be impacted and that analytical services would be provided seamlessly to the Site. Ecology expressed a desire to meet the ATL management team and ORP related that they would arrange it in either this or another forum.

MEETING MINUTES

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ORP related the preliminary schedule for return of liquid treatability residues from Savannah River Technical Center. ORP expects several shipments of liquid treatability study residues over the course of this spring and early summer. Ecology related that they do not have any concerns with returns of liquid Treatability study residues and that the schedule of the returns was appreciated.

Action Item:

No Action Items were assigned.

Next Meeting:

February, 10 2005

2440 Stevens, room 1600

9:30 – 10:00 a.m.

222-S Project Managers Meeting & Misc. Lab Issues (TSD: TS-2-1)
1/13/05

Attachment 1
List of Attendees
Agenda
222-S Lab Operations Report

9:30 - 10:15 a.m.

ATTENDEES

[illegible]

222-S Project Managers Meeting & Misc. Lab Issues

2440 Stevens, Room 1600

January 13, 2005

9:30 – 10:15 a.m.

Agenda

1. Introductions
2. Approval of Previous Meeting Minutes
3. Status of Action Items
4. 222-S TSD Issues
5. 222-S Laboratory
 - 5.1. Operational Report
6. Misc. Issues
7. Review of New Action Items

MONTHLY ANALYTICAL REPORT

222-S Laboratory

December 2004 – January 2005

- ORP has selected Advanced Technologies and Laboratories International, Inc. (ATL) for the Analytical Services Production Contract. ATL's subcontractors are Battelle Memorial Institute; Severn Trent Laboratories, Inc.; and Environmental Quality Management, Inc. This work scope performs chemical and isotopic analysis of highly radioactive waste. These services will continue to be performed in the 222-S Laboratory. CH2M HILL will continue to perform process chemistry testing and to serve as the 222-S Laboratory landlord. CH2M HILL will also support ATL by providing key infrastructure services such as Integrated Safety Management Systems, Radiological Controls Programs, Waste Management, etc.
- Work continues in resolving the remaining concerns from Bechtel National, Inc. prior to placing the 222-S Laboratory on their Approved Suppliers' List. Bechtel concerns involved the adequate flow down of NQA-1 requirements to the acquisition verification subcontractor and an instrument calibration subcontractor. Once 222-S is placed on the BNI Approved Supplier List, analytical work supporting the BNI Waste Treatment Plant can be performed at 222-S.
- Work package preparation has started on removal of the Laser ICP/MS from room 11A with removal targeted for March 2005. Removal is prerequisite for installation of a new Laser ICP/AES that will be used to support the Waste Treatment Plant.
- The installation of the thermal desorption unit for the Organic Chemistry Group is complete.
- All analytical groups have completed the annual Chemical inventory review and Chemical Use Justification process. This process allows the end users to reconcile the database used for chemical inventory with actual room inventories and meets requirements for justifying the general use and storage of hazardous reagents within the laboratory. 222-S Laboratory instituted the requirement for chemists to justify continued use of high hazard chemicals, expired standards used for other purposes as a Best Management Practice.
- The annual 222-S Hot Cell archive sample inventory task has begun. This task involves obtaining documentation of customer's justification for the long term storage of the sample, verifying sample weight, container integrity, and repackaging as necessary.

MONTHLY OPERATIONS REPORT

222-S Laboratory

November – December, 2004

- The 219-S transfer to Tank Farms was initiated on Thursday, December 16th. Flow rates were less than expected and the transfer was terminated after 1400 gallons. Tank Farms and 222-S will work together to determine the cause of less than adequate transfer rates. This was the first transfer utilizing the new W-314 transfer line. The waste is in the transfer line upstream of the siphon section. The siphon did not operate as designed; it appears that the siphon did not establish itself due to low flow rates. Data analysis and trouble shooting are continuing.
- Replacement of the 222-SA sanitary water shut-off valve replacement is complete. The sanitary water valve has been replaced, the excavation has been filled in, and the sanitary water system has been returned to service.
- Integrity assessment of the waste transfer lines and valves within the 219-S Vault is scheduled for January 2005. The integrity of the line and valves are required to be assessed after the replacements of last summer's project.
- Steam condensate discharge rates from the steam boiler operated by Johnson Control, Inc. to the 207SL basin are an order of magnitude higher than normal as a result of high iron concentrations. A discussion of contractors involved with the steam condensate production, storage, and treatment and the DOE counterparts was held to identify various alternatives to reduce direct discharges to the 207-SL basin. Various mitigation strategies were identified that include introduction of an iron inhibitor and mechanical filtration system modifications.
- The 219-S transfer pump, which transfers waste from Tank 101 to Tank 102, has failed with a ruptured diaphragm. In addition, the agitator for Tank 101 has failed and Sump Pump #6 is inoperable. Repair will be a major work effort and scheduled for completion by Feb 2005 to ensure continuity of 11A Hot Cell operations. Conservative fill rate estimates for Tank-101 show 11A Hot Cell operations can continue through the 4th week of February 2005.

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(TSD: TS-2-1), JANUARY 2005

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<i>LE Borneman</i>	<i>2/28/05</i>	L. E. Borneman	T6-16	X
		D. B. Hardy	T6-14	X
		B. R. Hill	T6-03	X
		M. N. Jarayssi	H6-03	X
		P. C. Miller	R1-51	X
		K. S. Tollefson	H6-03	X
		222-S Regulatory File	T6-16	X
		LEB File/LB	T6-06	X
		<u>U.S. Department of Energy</u>		
		<u>Office of River Protection</u>		
		R. W. Russell	H6-60	X
		A. J. Stevens	H6-60	X
		<u>Washington State Department of Ecology</u>		
		F. W. Bond	H0-57	X
		T. Z. Gao	H0-57	X
		D. G. Singleton	H0-57	X
		N. Smith-Jackson	H0-57	X